

This diagram illustrates the seating arrangement of two figures, 26 and 28, within a vehicle interior. The figures are shown from the side, seated on a seat assembly 10. Various dimensions are indicated by arrows and labels:

- A**: Horizontal distance between two vertical reference planes.
- B**: Small horizontal offset from the first vertical plane.
- C**: Horizontal distance from the second vertical plane to the back of figure 26's head.
- D**: Horizontal distance from the second vertical plane to the front of figure 26's head.
- E**: Horizontal distance from the third vertical plane to the back of figure 26's head.
- F**: Horizontal distance from the fourth vertical plane to the front of figure 26's head.
- G**: Horizontal distance from the fifth vertical plane to the front of figure 26's head.
- H**: Horizontal distance from the sixth vertical plane to the front of figure 26's head.
- I**: Horizontal distance from the seventh vertical plane to the front of figure 26's head.
- J**: Horizontal distance from the eighth vertical plane to the front of figure 26's head.
- K**: Horizontal distance from the ninth vertical plane to the front of figure 26's head.
- L**: Total horizontal distance from the first vertical plane to the front of figure 26's head.

The seat assembly 10 includes components such as the seat cushion 110, seat backrest 116, and various adjustment mechanisms like levers 132, 134, 136, 146, 170, 172, and 174. Other parts shown include the floor pan 120, footrest 129, and side panel 154. Dashed lines indicate the relative positions and movements of the figures and seat components.

FIG. 1 PRIOR ART

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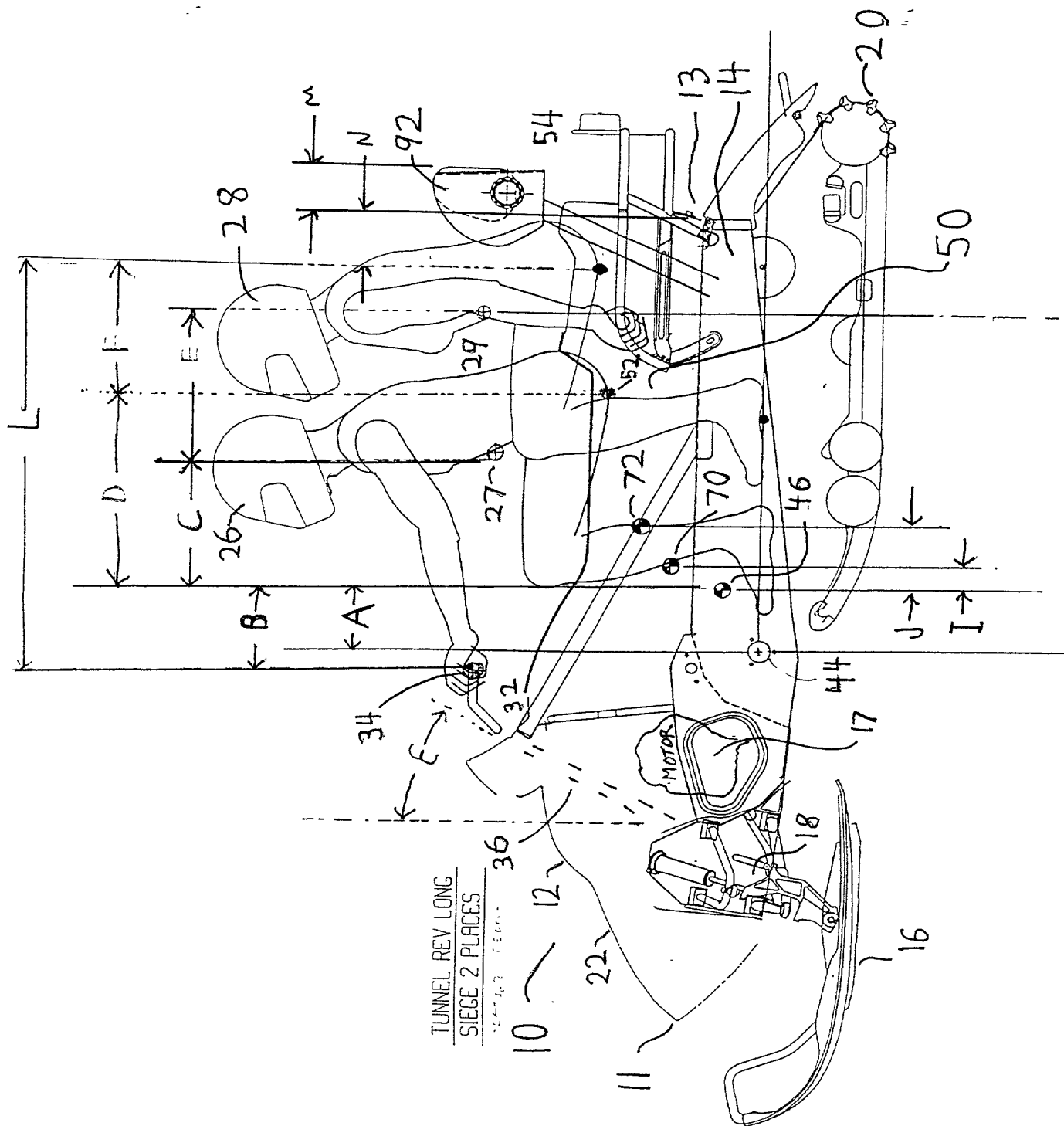


FIG 3

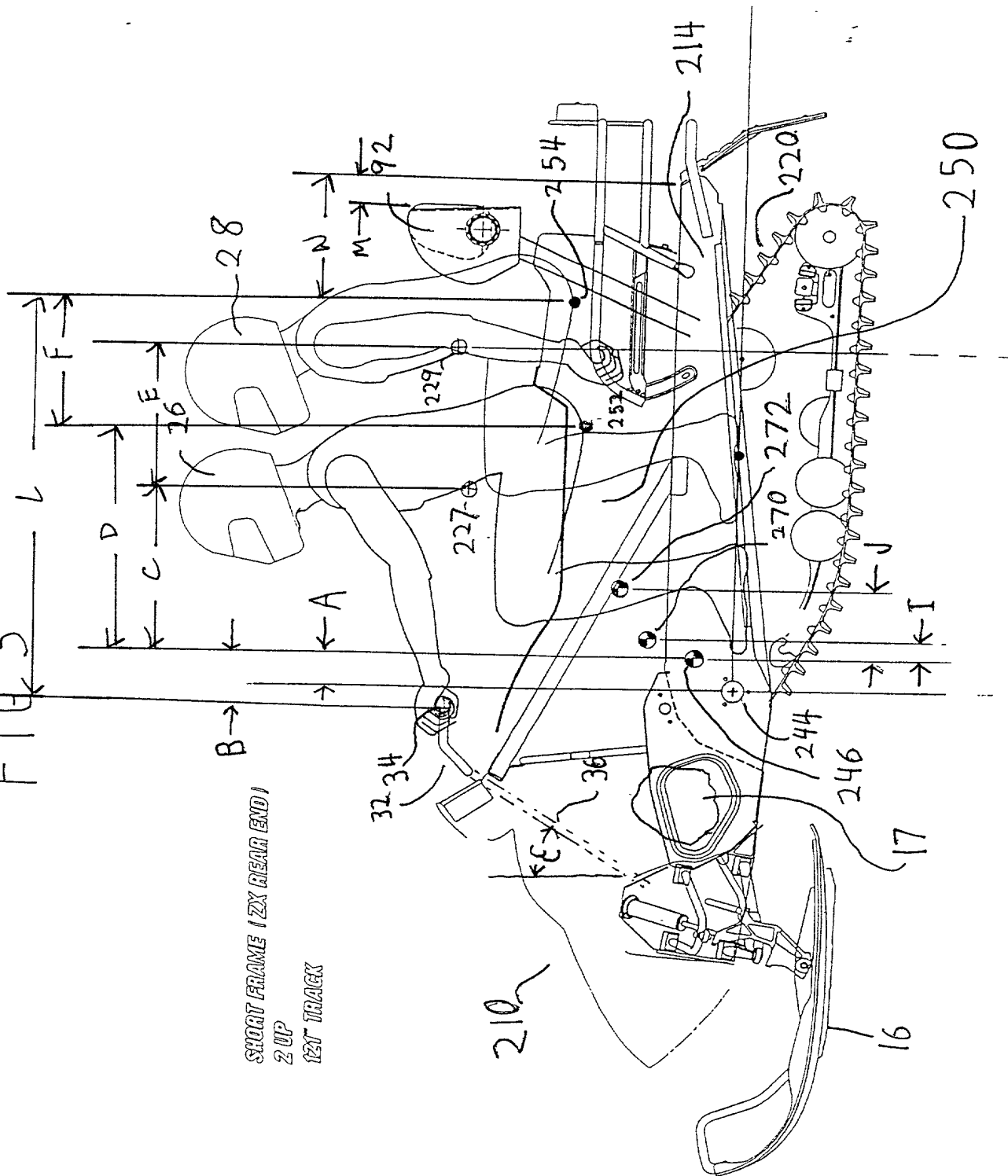


FIG 5

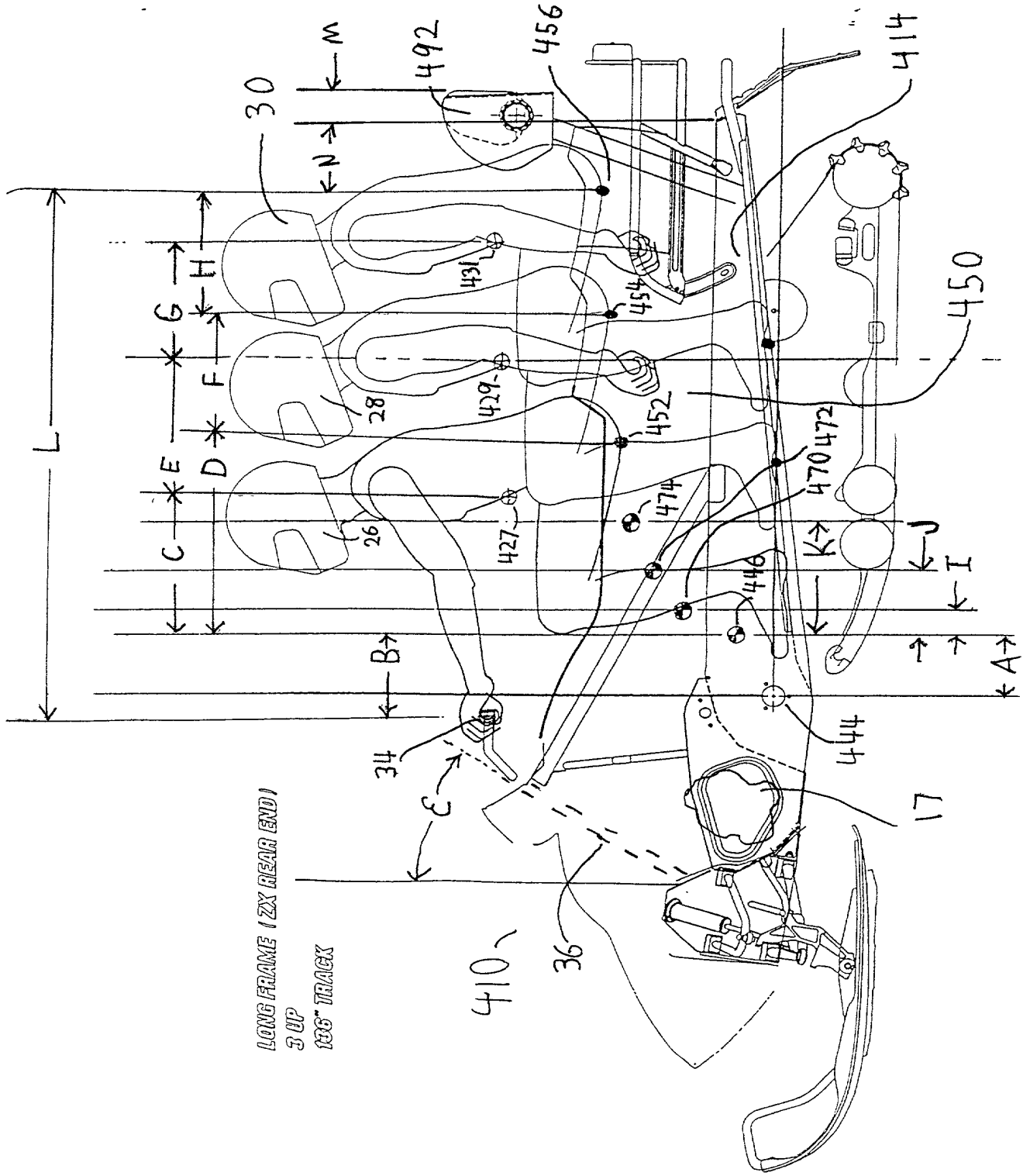
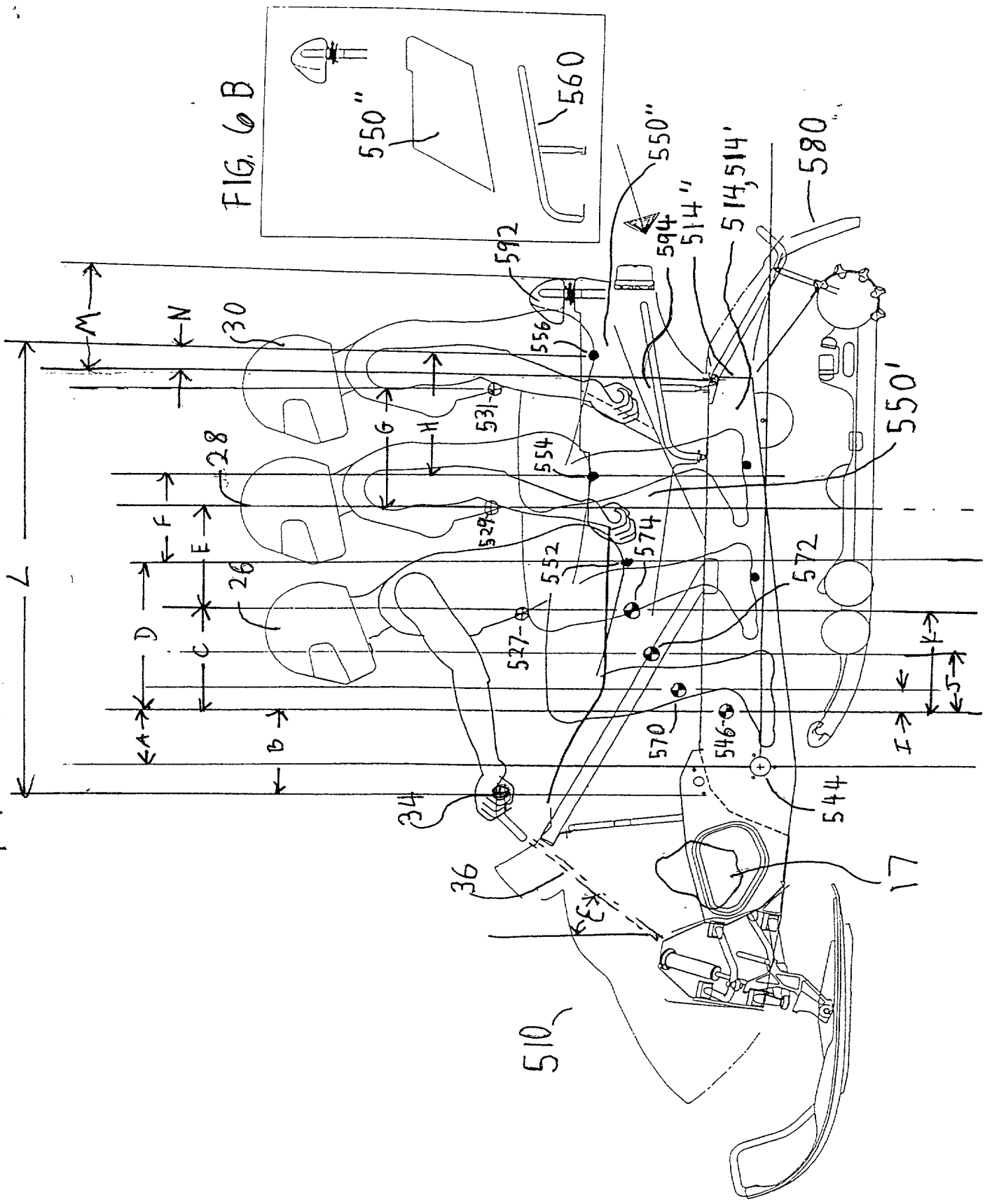


FIG. 6A PAT. 2,860



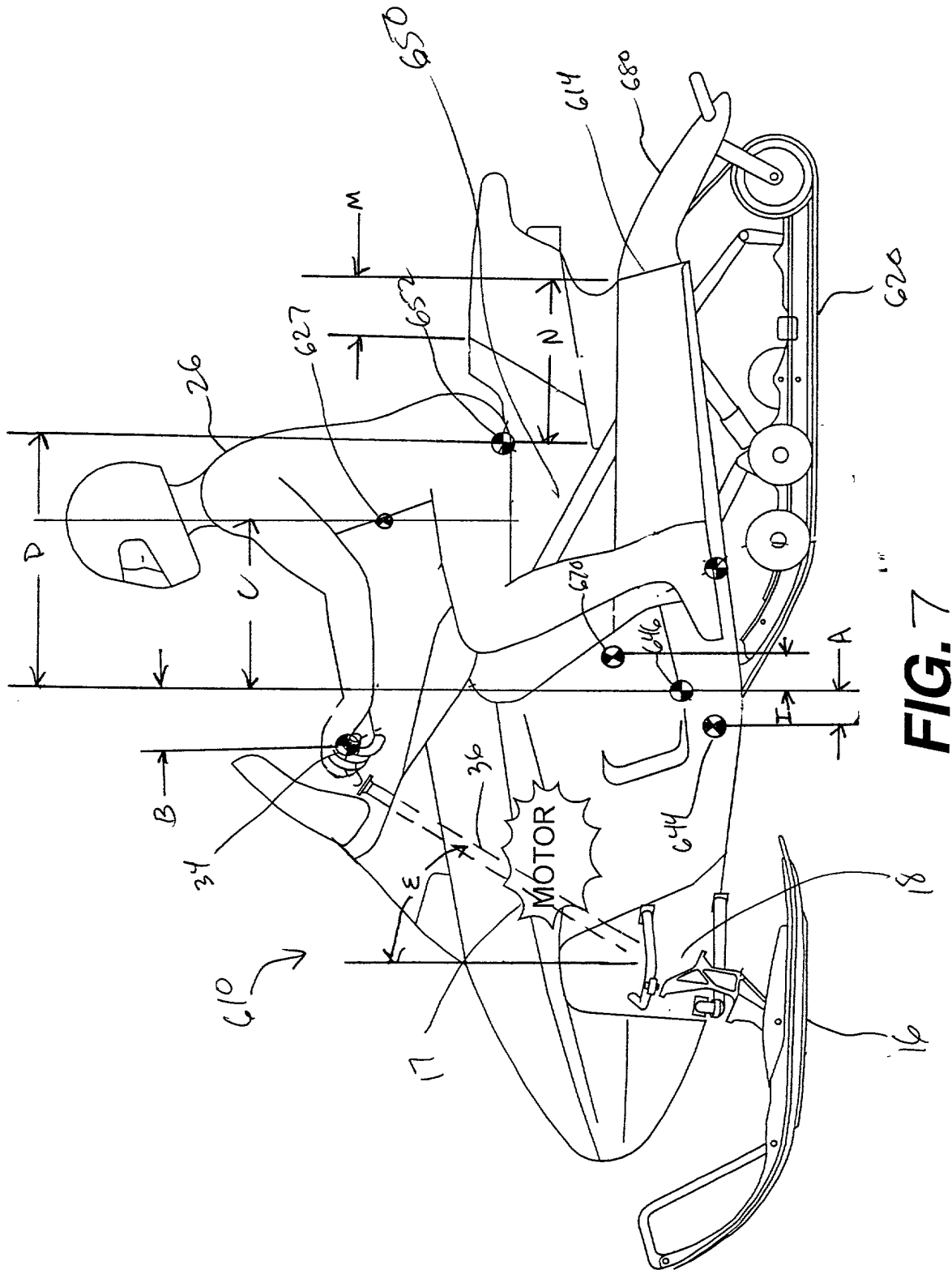


FIG. 7

Distance (mm)			VEHICLE								
			Conventional		INVENTION						
			Long	Short	1st Embodiment 2-up Long (FIG. 2)	2nd Embodiment 2-up Short (FIG. 3)	3rd Embodiment 1+1 Short (FIG. 4A)	4th Embodiment 3-up Long (FIG. 5)	5th Embodiment 2+1 Long (FIG. 6A)	6th Embodiment 1-Up (FIG. 7)	
ref.#	from:	to (going back):									
A	forward axle	CG(vehicle)	110	30	65	95	95	170	170	95	
B	steering pos.	CG(vehicle)	-160	-240	130	160	160	235	235	160	
C	CG(vehicle)	CG(rider 1)	645	725	350	320	320	245	245	320	
D	CG(vehicle)	seat pos (1)	795	875	500	470	470	395	395	470	
E	CG (rider 1)	CG(rider 2)	370	370	370	370	370	370	370	N/A	
F	seat pos(1)	seat pos(2)	340	340	340	340	340	340	290	N/A	
G	CG(rider 2)	CG(rider 3)	N/A	N/A	N/A	N/A	N/A	310	345	N/A	
H	seat pos(2)	seat pos(3)	N/A	N/A	N/A	N/A	N/A	310	345	N/A	
I	CG(vehicle)	CG (V+1 rider)	180	160	70	50	50	60	70	50	
J	CG(vehicle)	CG (V+2 riders)	290	280	175	190	190	170	170	N/A	
K	CG(vehicle)	CG (V+3 riders)	N/A	N/A	N/A	N/A	N/A	300	300	N/A	
L	steer pos.	rear seat pos.	975	975	970	970	970	1280	1265	N/A	
M	back of frame	back of seat	-50	0	100	-100	230	60	290	-110	
N	back of frame	rear seat pos.	-290	-120	-130	-340	80	-200	60	-260	
Angles (degrees)											
epsilon vert. and steering shaft			>=45	>=45	ALL < 45, preferably 25-40, more preferably 30-35, most preferably 33						

Fig. 9

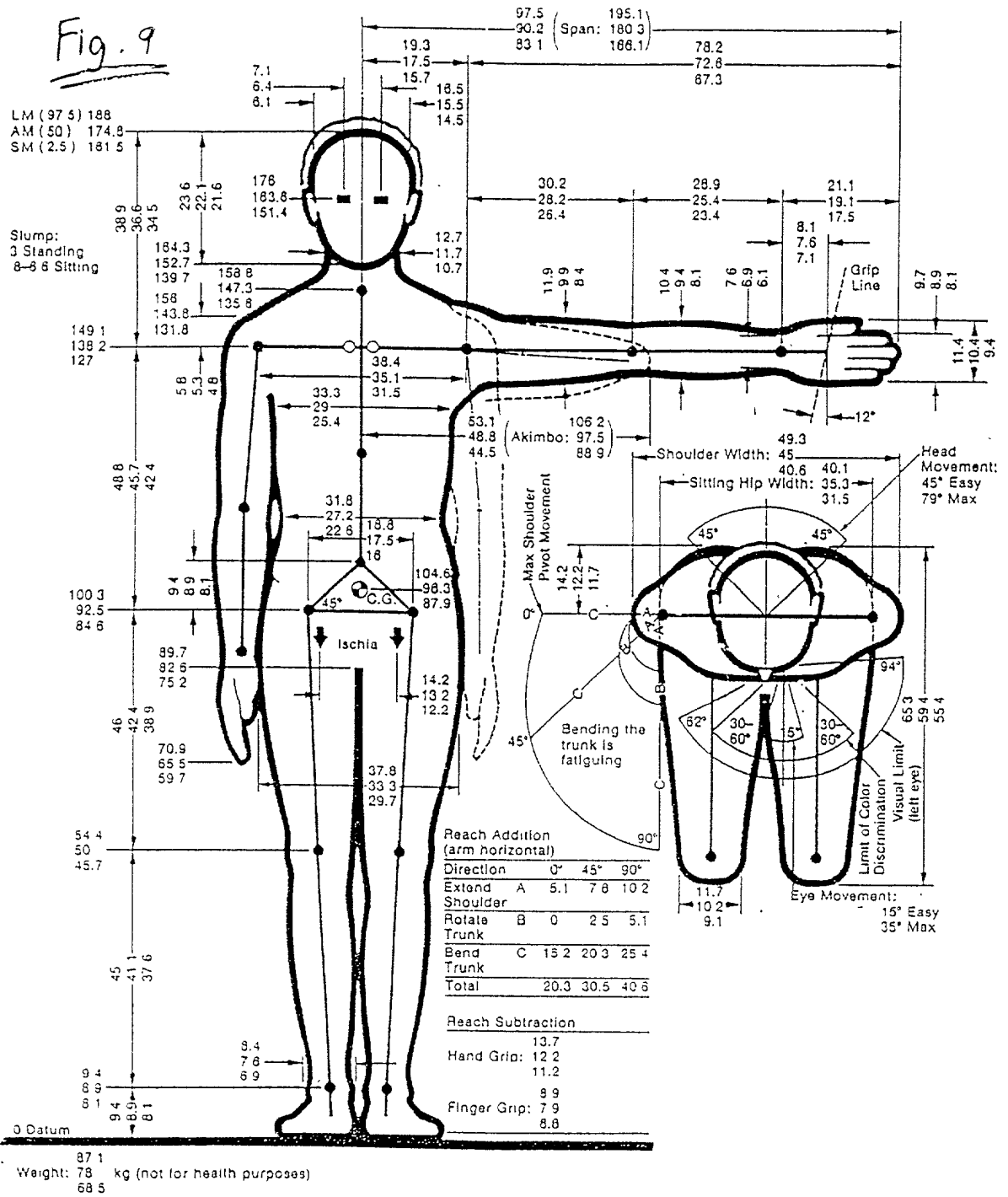


FIG. 10

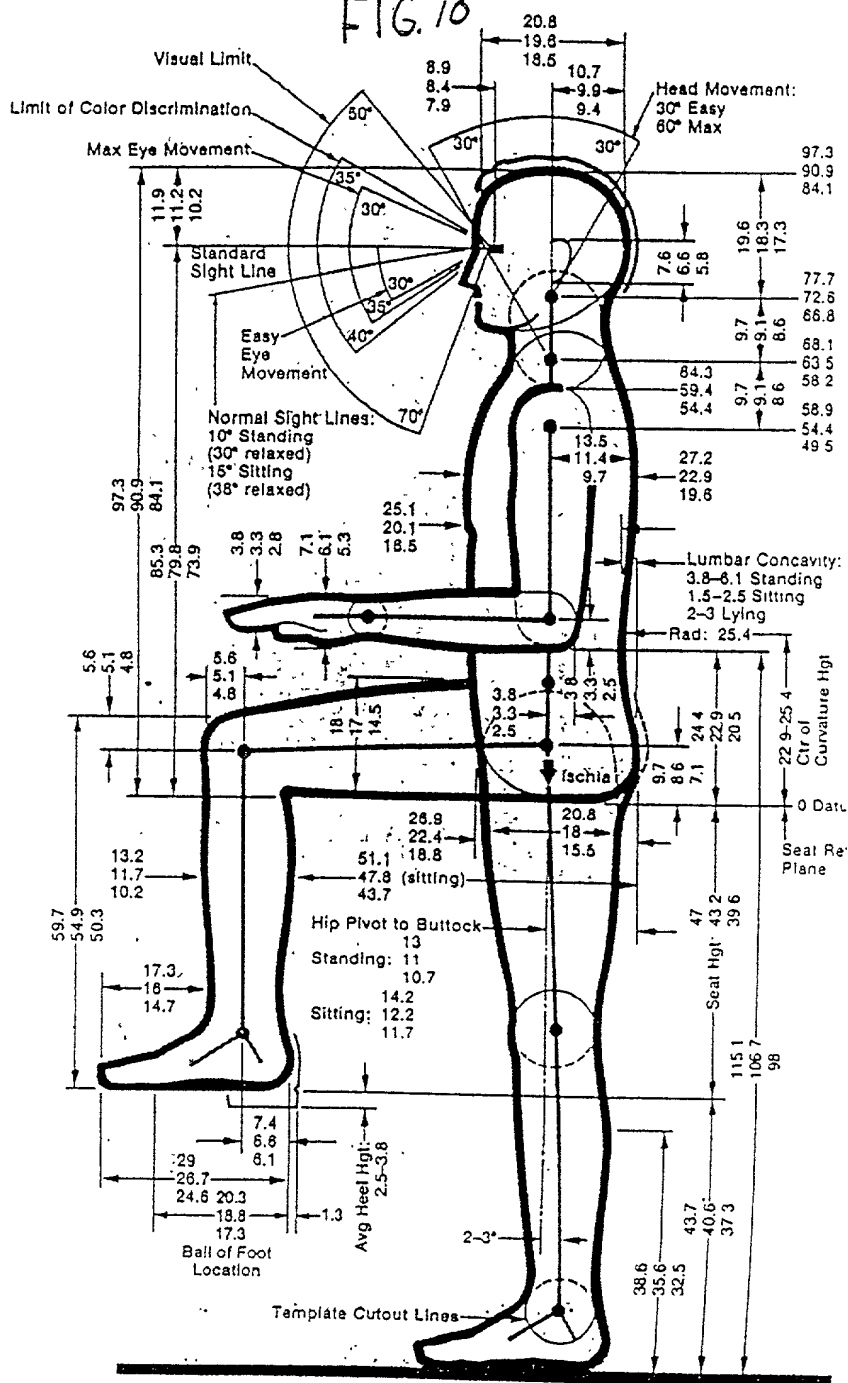


FIG. 11 A

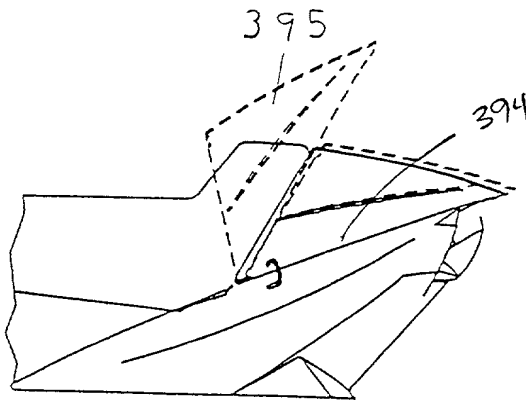


FIG. 11 B

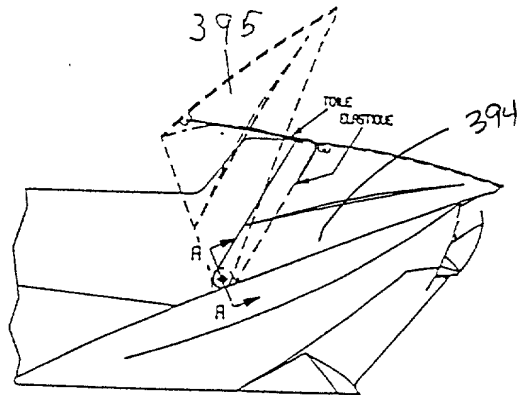


FIG. 11 C

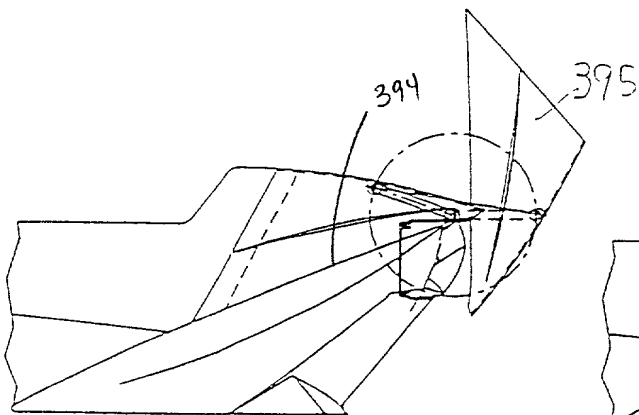


FIG. 11 D

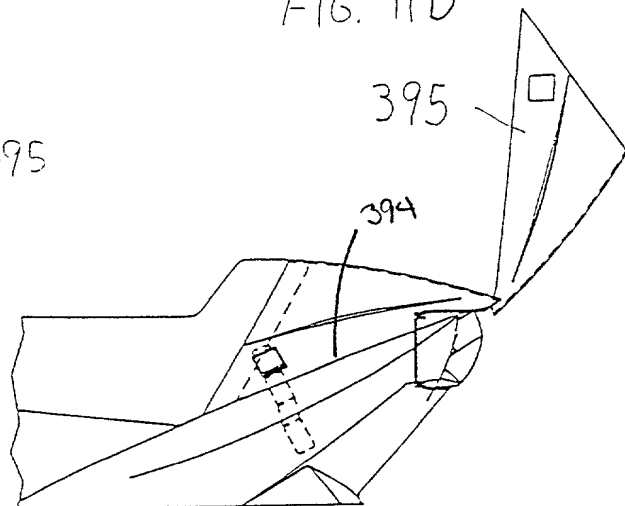


FIG. 12A

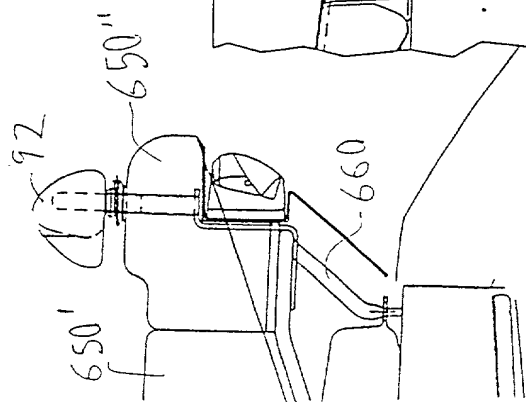


FIG. 12B

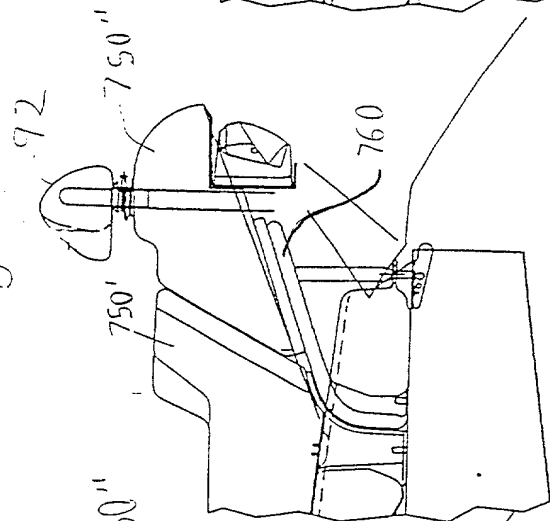


FIG. 12C

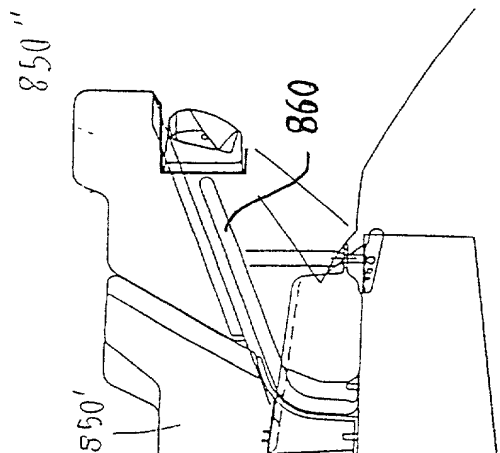


FIG. 12D

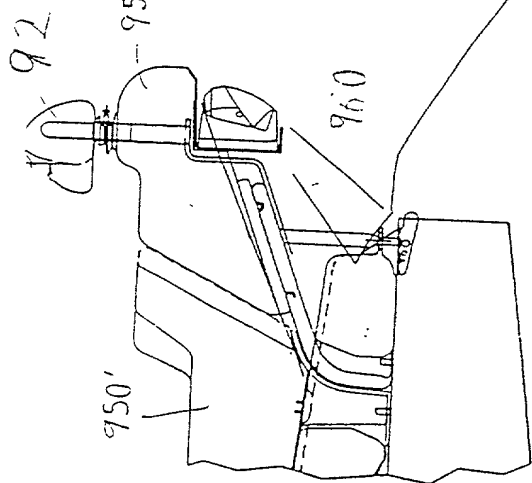


FIG. 12E

